Bachelor of Software Engineering

Session 2024/2025 Semester 1 SECR 1213 Network Communication
Section - 16

Lecturer: Dr. Kaiyisah Hanis Mohd Azmi

Task6b Submitted by: Zhao Wei

Group 7

Member:

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Thamer Alharbi (A23MJ4015)

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My contribution to the group?

Task1: I drew the design of the second floor, as well as the document description of my part.

Task2: Feasible answers and reasoning are given to all the questions.

Task3: Carry out a feasibility analysis of the required equipment and indicate the purpose and reason for choosing it.

Task4: The layout of the PC and network devices is drawn; the routing path and length are calculated.

Task5: IP is assigned to each lab and room.

Task6: IP scheme design and verification, VLAN Settings, device configuration.

Other members contribution to the group and the project work?

Liu responsible for

1. First-Floor Layout Design:

2. Report Writing and Proofreading:

3. Meeting Facilitation and Task Coordination:

Thamer responsible for

1. Design of IoT and Network Lab,
2. Perform cost analysis on all network equipment to ensure the project is completed within budget.
3. Provide in-depth analysis of equipment performance and cost, providing detailed insights for final equipment selection.

How we work as a team?

We assign tasks through online meetings or whatapps chat, or volunteer to say what we want to take responsibility for, and we discuss whether it is feasible.

What have I learned from work as a group?

Learn to design subnet schemes and allocate IP addresses based on user requirements and device counts, while reserving space for future expansion.

What did I learn from this project?

IP addressing and subnetting: I gained hands-on experience in creating subnetting based on specific needs, while ensuring room for future expansion.

Device configuration: Selecting and configuring devices such as routers, switches, and access points enhanced my understanding of their role in the network.

My comments and suggestions on the project.

In this project, every member of the team completed the part they were responsible for according to the quality and quantity on time, which promoted the smooth completion of our project. I think we can do more investigation and research in the section of feasibility analysis and equipment selection.